

**One-Way Set Associative
(direct mapped)**

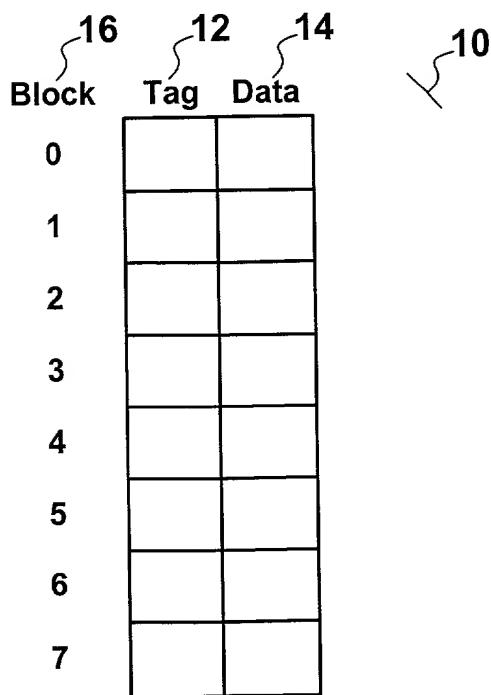


Fig. 1A
(Prior Art)

Two-Way Set Associative

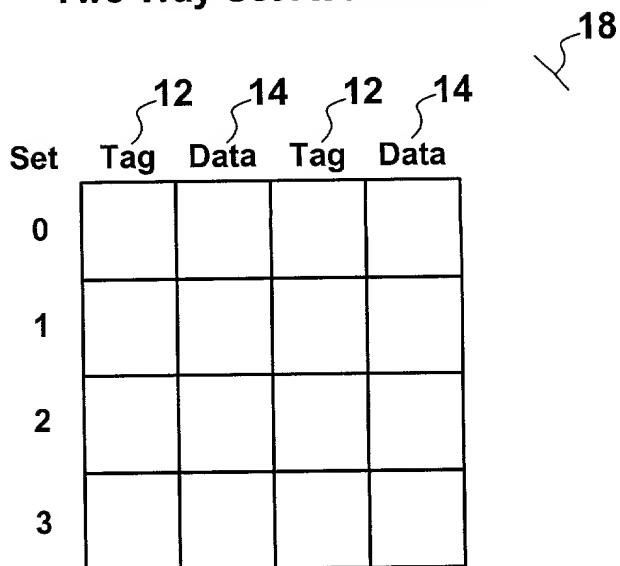
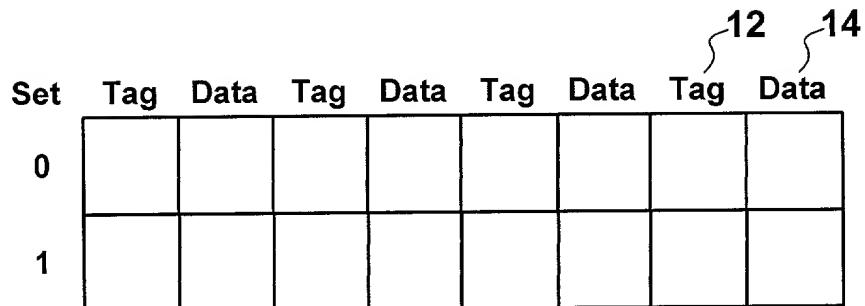


Fig. 1B
(Prior Art)

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Four-Way Set Associative

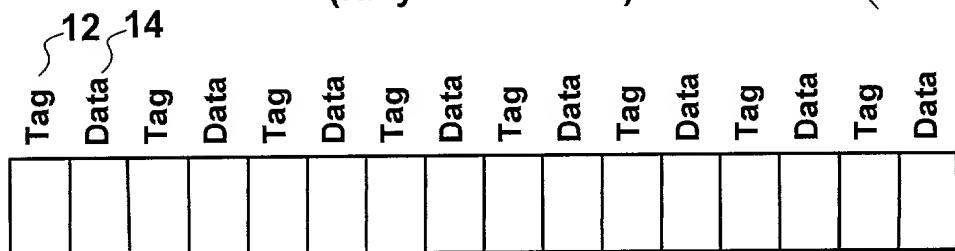


*Fig. 1C
(Prior Art)*

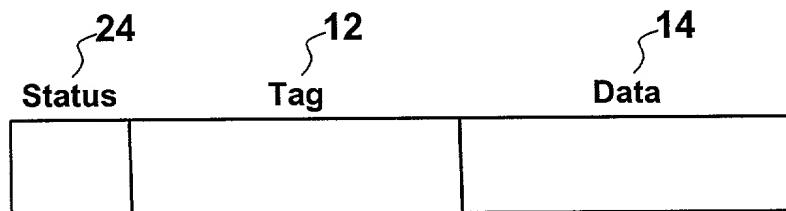
TECHNOLOGY PERSPECTIVE

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Eight-Way Set Associative (fully associative)



*Fig. 1D
(Prior Art)*



*Fig. 1E
(Prior Art)*

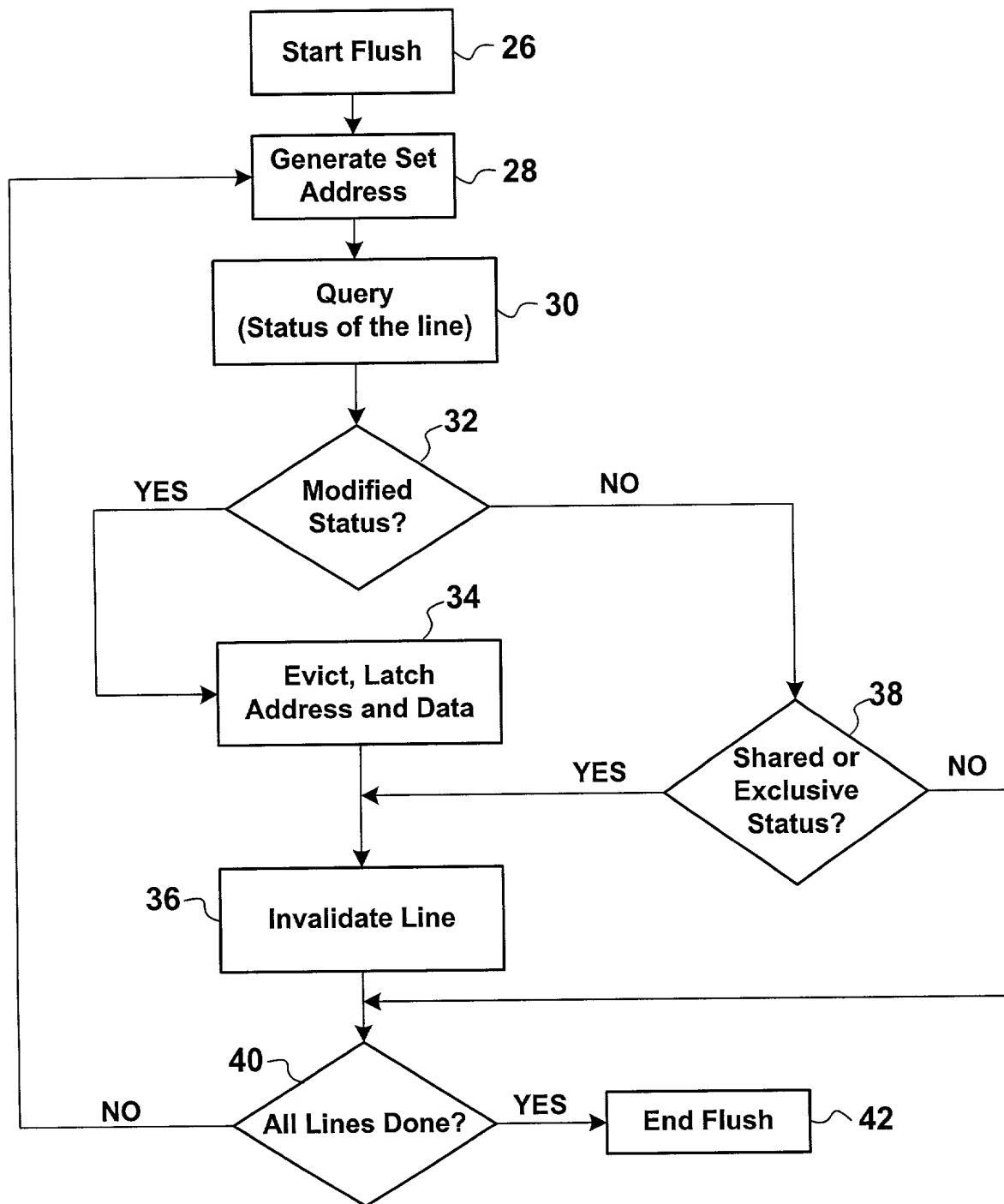
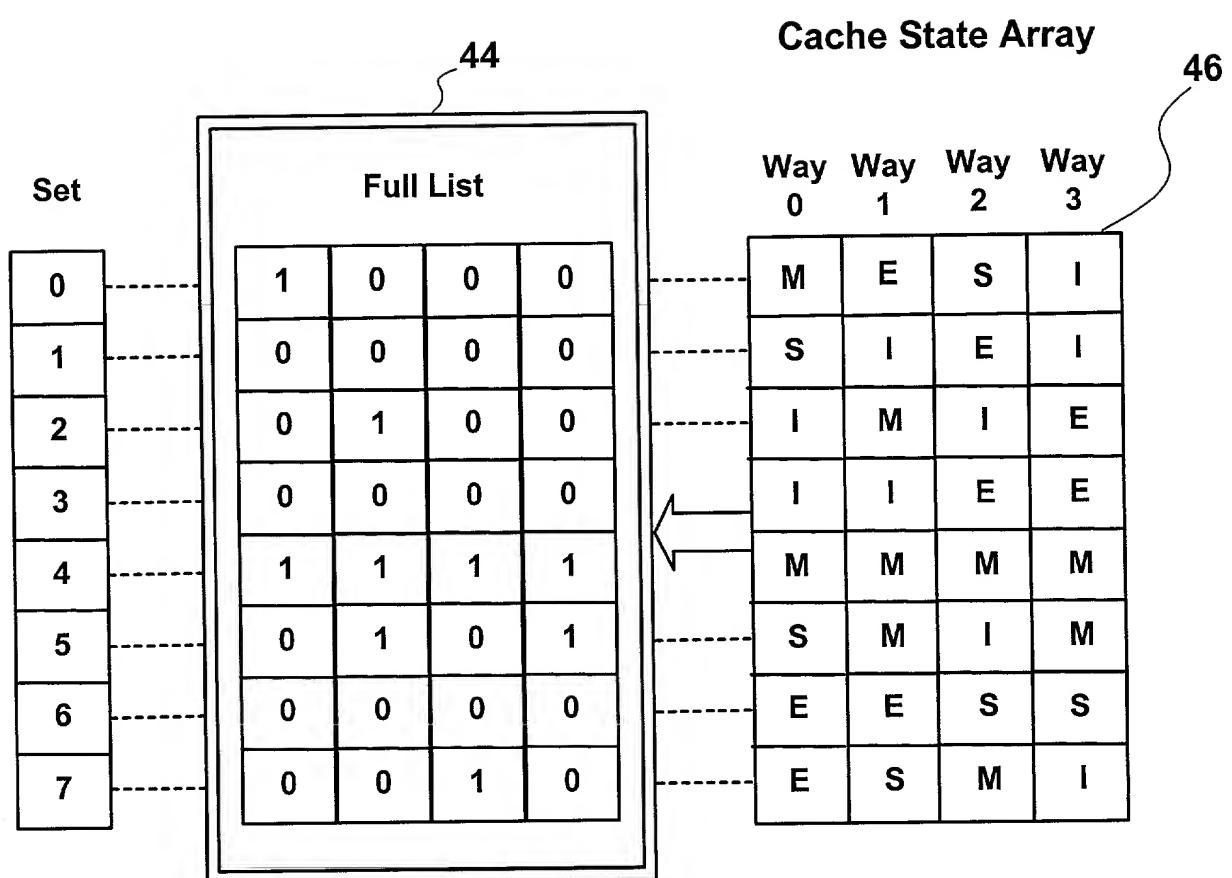


Fig. 2
(Prior Art)

*Fig. 3*

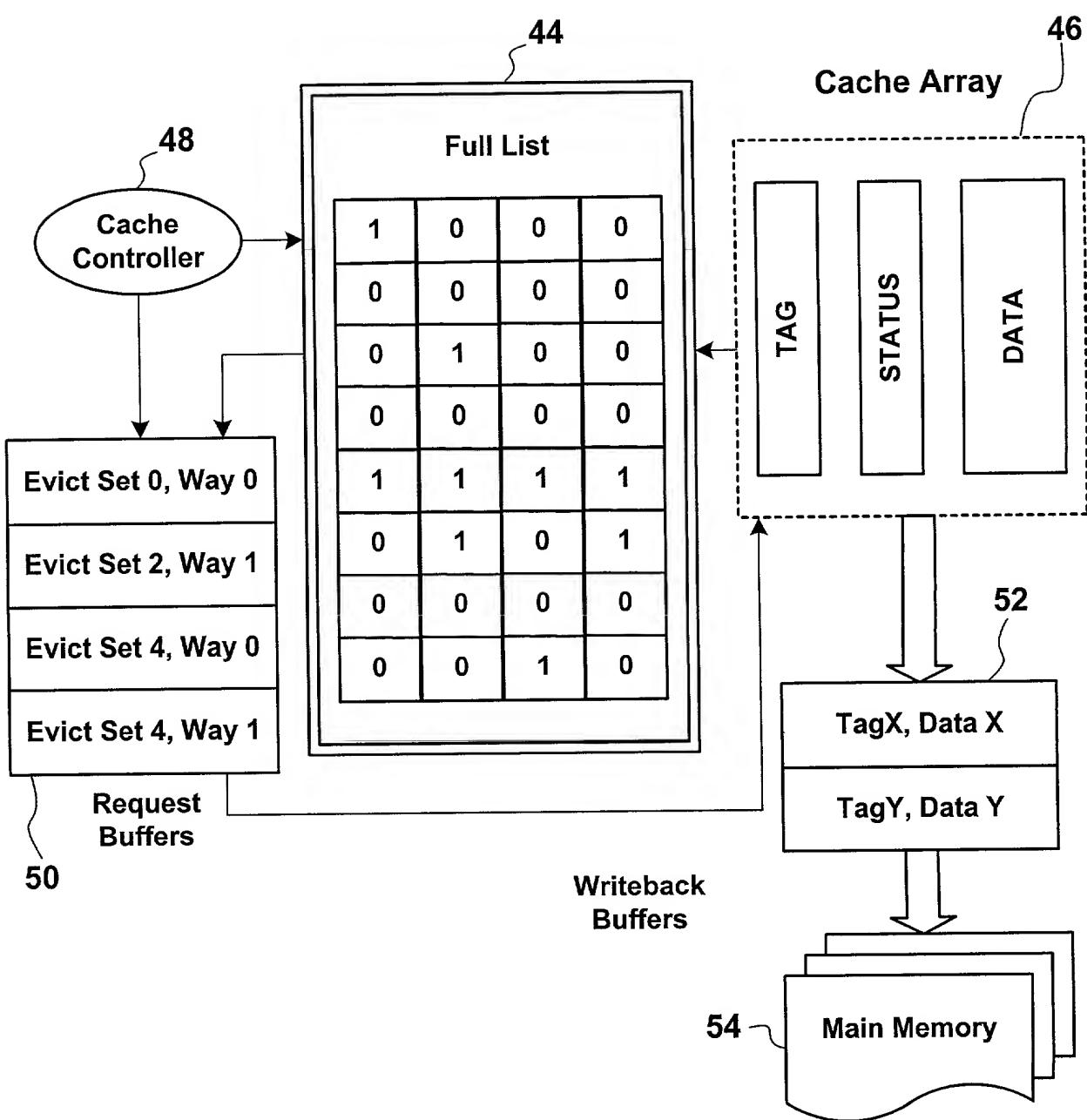
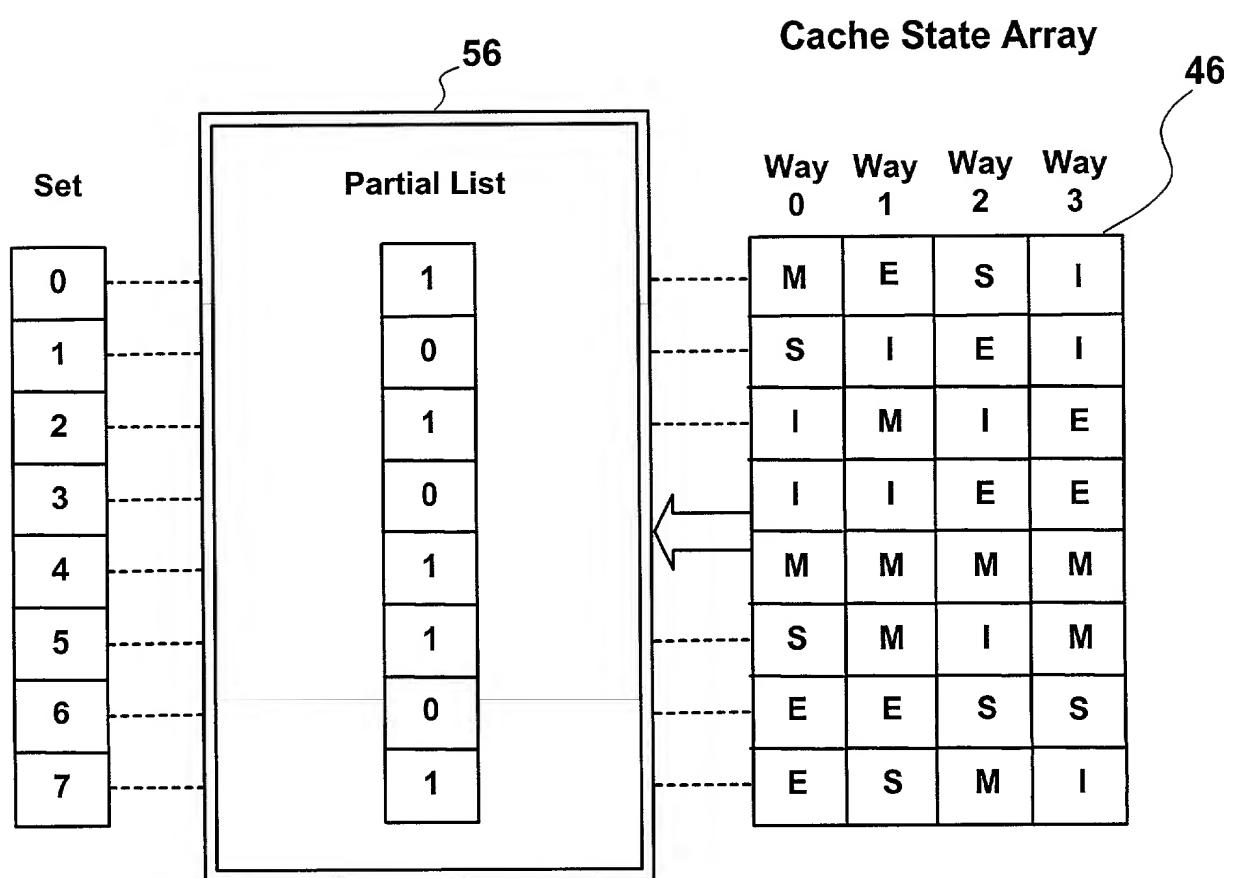
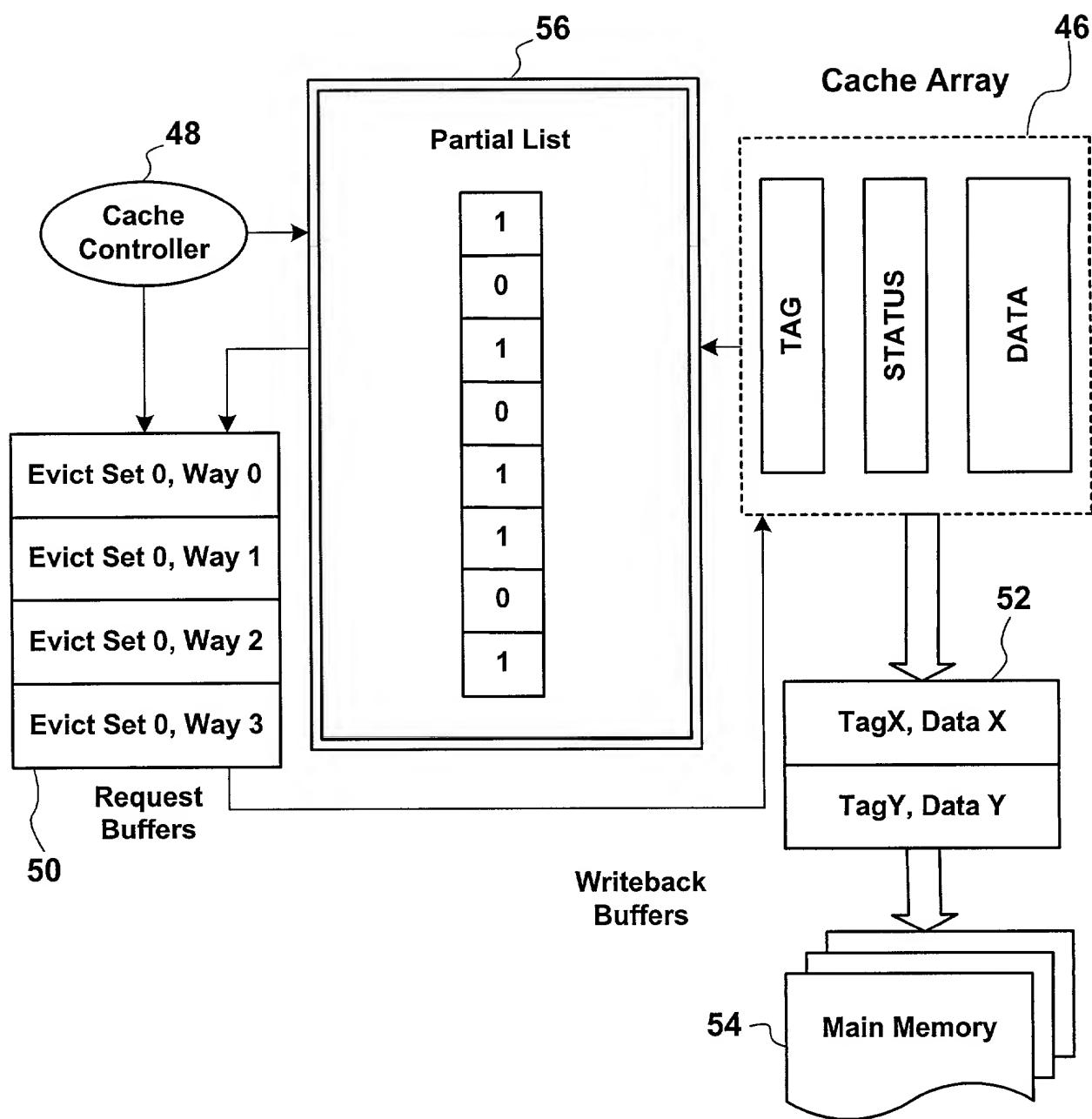


Fig. 4

***Fig. 5***

*Fig. 6*

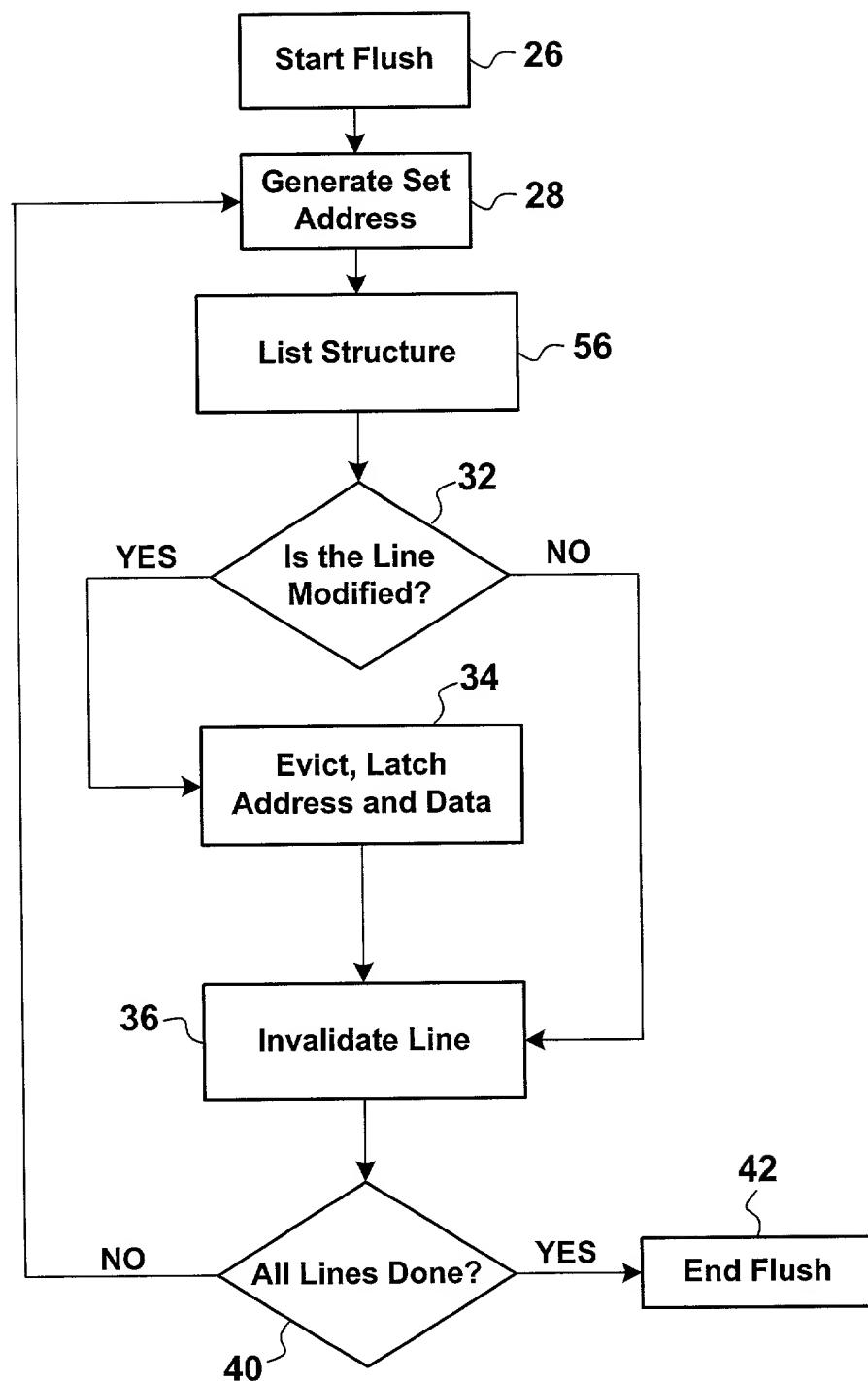


Fig. 7A

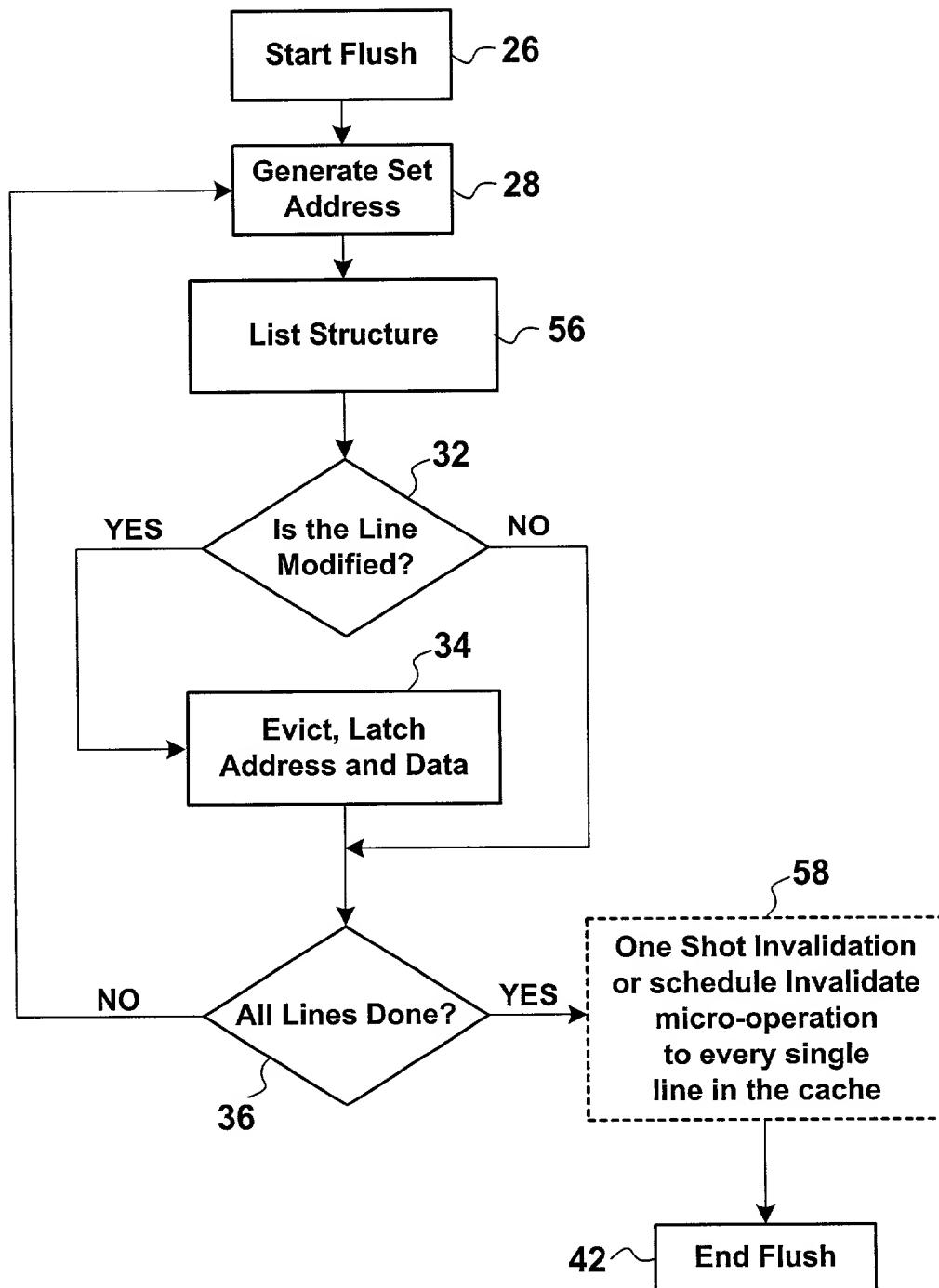


Fig. 7B